

Title (en)
A UTILITY VEHICLE

Title (de)
NUTZFAHRZEUG

Title (fr)
VÉHICULE UTILITAIRE

Publication
EP 4309924 A1 20240124 (EN)

Application
EP 22315162 A 20220720

Priority
EP 22315162 A 20220720

Abstract (en)
A utility vehicle (1) comprising: a vehicle frame (2); at least four wheels (3, 4) comprising left and right steerable wheels (3, 4) and left and right non-steerable wheels (3, 4); a hydraulic system (10) comprising: a left hydraulic cylinder (12L) coupling the left steerable wheel (3L, 4L) to the vehicle frame (2), a right hydraulic cylinder (12R) coupling the right steerable wheel (3R, 4R) to the vehicle frame (2), a left accumulator (14L) coupled to the left hydraulic cylinder (12L), a right accumulator (14R) coupled to the right hydraulic cylinder (12R), and a fluid supply (16) configured to supply fluid to either one of the left and right hydraulic cylinders (12L, 12R); a sensor configured to detect a right lateral slope condition wherein the right non-steerable wheel (4R) is positioned below the left non-steerable wheel (4L), and a control system operably coupled to the sensor and to the hydraulic system (10), the control system being configured to increase a downward pressure on the right steerable wheel (3R, 4R) when the right lateral slope condition is detected by controlling the fluid supply (16) to supply fluid to either one of the left and right hydraulic cylinders (12L, 12R).

IPC 8 full level
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CPC (source: EP)
B60G 17/0165 (2013.01); **B60G 21/073** (2013.01); **B60G 2300/08** (2013.01); **B60G 2800/019** (2013.01)

Citation (applicant)
EP 0783984 A2 19970716 - NEW HOLLAND NV [NL]

Citation (search report)
• [X] US 5684698 A 19971104 - FUJII KAZUSHI [JP], et al
• [A] FR 2609262 A1 19880708 - LIGNONES HUBERT [FR]

Designated contracting state (EPC)
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Designated extension state (EPC)
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